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Jul 27, 2000

DERWENT-ACC-NO: 2000-566061

DERWENT-WEEK: 200053

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TITLE: Immobilization of macromolecules on a solid phase comprises using nucleic acids as immobilization-mediating reagents

INVENTOR: BLOHM, D ; BOLDT, L ; NIEMEYER, C**PATENT-ASSIGNEE:**

ASSIGNEE	CODE
<u>NIEMEYER C</u>	NIEMI

PRIORITY-DATA: 1999DE-1002391 (January 22, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input checked="" type="checkbox"/> DE 19902391 A1	July 27, 2000		004	C07B063/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 19902391A1	January 22, 1999	1999DE-1002391	

INT-CL (IPC): B01J 19/00; B01J 20/22; B01J 20/30; C07B 61/00; C07B 63/00; C07H 1/06; C07H 21/00; C07K 1/14; C07K 17/00; C12N 11/00; C12Q 1/00; G01N 33/50

ABSTRACTED-PUB-NO: DE 19902391A

BASIC-ABSTRACT:

NOVELTY - Reversible, parallel, site-specific immobilization of macromolecules on a solid phase comprising using nucleic acids as immobilization-mediating reagents, is new.

USE - The method can be used to immobilize biomolecules, e.g. antibodies, enzymes, receptors, membrane proteins, glycoproteins, carbohydrates or nucleic acids, or inorganic molecules, e.g. metal or metalloid clusters, or organic compounds with specific catalytic, optical or electrical properties, especially to fabricate sensor elements, reactor elements or elements with electrical, electronic or optical functions.

ADVANTAGE - Any number of different macromolecules coupled to different nucleic acids can be immobilized in parallel.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MACROMOLECULAR SOLID PHASE COMPRIZE NUCLEIC ACID REAGENT

DERWENT-CLASS: B04 D16 J04 L03 S03

CPI-CODES: B04-C02; B04-D01; B04-E01; B04-G01; B04-L01; B04-N02; B11-C09; D05-H10; J04-B01B;
L04-G;

EPI-CODES: S03-E14H;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M423 M431 M782 M905 N120 Q606
Specfic Compounds
A00NSK A00NSM

Chemical Indexing M1 *02*
Fragmentation Code
M423 M431 M782 M905 N120 Q606
Specfic Compounds
A00C8K A00C8M

Chemical Indexing M1 *03*
Fragmentation Code
M423 M431 M782 M905 N120 Q606
Specfic Compounds
A00GCK A00GCM

Chemical Indexing M1 *04*
Fragmentation Code
M423 M431 M782 M905 N120 Q606
Specfic Compounds
A00H3K A00H3M

Chemical Indexing M1 *05*
Fragmentation Code
M423 M431 M782 M905 N120 Q606
Specfic Compounds
A0120K A0120M

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-168795

Non-CPI Secondary Accession Numbers: N2000-418058

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